

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2004/003554

A. CLASSIFICATION OF SUBJECT MATTER**IPC7 A61K 35/78, A23L 1/29**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

A61K 35/78, A23L 1/29

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
KOREAN PATENTS AND APPLICATIONS FOR INVENTIONS SINCE 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
PubMed on-line

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X P, Y	KR 2004-0108500 A (KOREA INSTITUTE OF ORIENTAL MEDICINE), 24 December 2004 See entire document	1, 4-13 2, 3
Y	JP 03-068517 A (TSUMURA & CO.), 25 March 1991 See entire document	1-7
Y	JP 63-104912 A (TSUMURA & CO.), 10 May 1988 See entire document	1-7
Y	JP 07-017856 A (TSUMURA & CO.), 20 January 1995 See entire document	1-7
Y	ZHOU, Y.P. et al. 'Oral baicalin and liquid extract of licorice reduce sorbitol levels in red blood cell of diabetic rats' In; Chin. Med. J. (Engl). 1989; 102(3): 203-6	1-7
Y	ZHANG, J.Q. et al. 'Inhibition of aldose reductase from rat lens by some Chinese herbs and their components' In; Zhongguo Zhong Yao Za Zhi 1989; 14(9): 557-9, 576	1-7
Y	ZHOU, Y. et al. 'Effects of baicalin and liquid extract of licorice on sorbitol level in red blood cells of diabetic rats' In; Zhongguo Zhong Yao Za Zhi 1990; 15(7): 433-5, 448	1-7

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:
 "A" document defining the general state of the art which is not considered to be of particular relevance
 "E" earlier application or patent but published on or after the international filing date
 "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
 "O" document referring to an oral disclosure, use, exhibition or other means
 "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
 "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
 "&" document member of the same patent family

Date of the actual completion of the international search
16 APRIL 2005 (16.04.2005)

Date of mailing of the international search report
18 APRIL 2005 (18.04.2005)

Name and mailing address of the ISA/KR



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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

Claims 4, 6, 10 and 12 concern a pharmaceutical composition, and claims 5, 7, 11 and 13 concern a functional food. Although the abovementioned claims are relevant to the composition comprising the same active ingredient, there is no technical relationship between a pharmaceutical composition and a functional food.

Hence, the application contains the following separate groups of inventions not so linked as to form a single general inventive concept (PCT Rule 13.1):

- i) Claims 1-4, 6, 8-10 and 12
- ii) Claims 1-3, 5, 7-9, 11 and 13

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	HSU, F.L. et al. 'Antihyperglycemic effect of puerarin in streptozotocin-induced diabetic rats' In; J. Nat. Prod. 2003; 66(6): 788-92	1-7
A	JP 2002-138045 A (ICHIMARU PHARCOS CO., LTD.), 14 May 2002 See abstract	1-7

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2004/003554

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 2004-0108500 A	24/12/2004	NONE	
JP 03-068517 A	25/03/1991	NONE	
JP 63-104912 A	10/05/1988	NONE	
JP 07-017856 A	20/01/1995	NONE	
JP 2002-138045 A	14/05/2002	NONE	